

FIG. 1

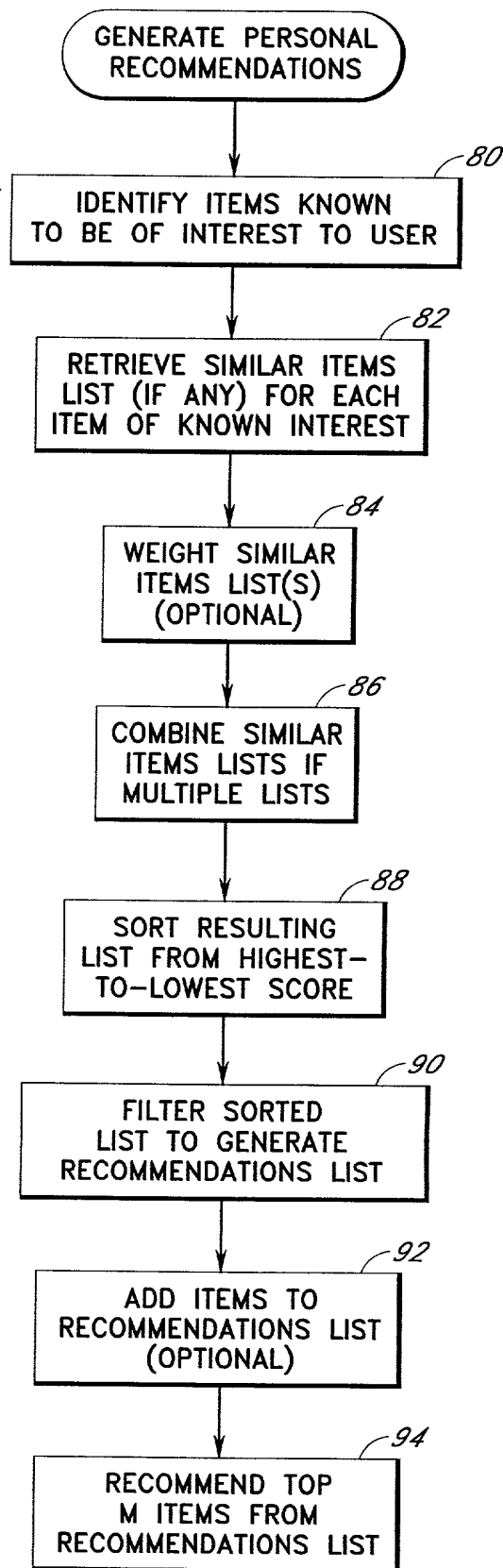


FIG. 2

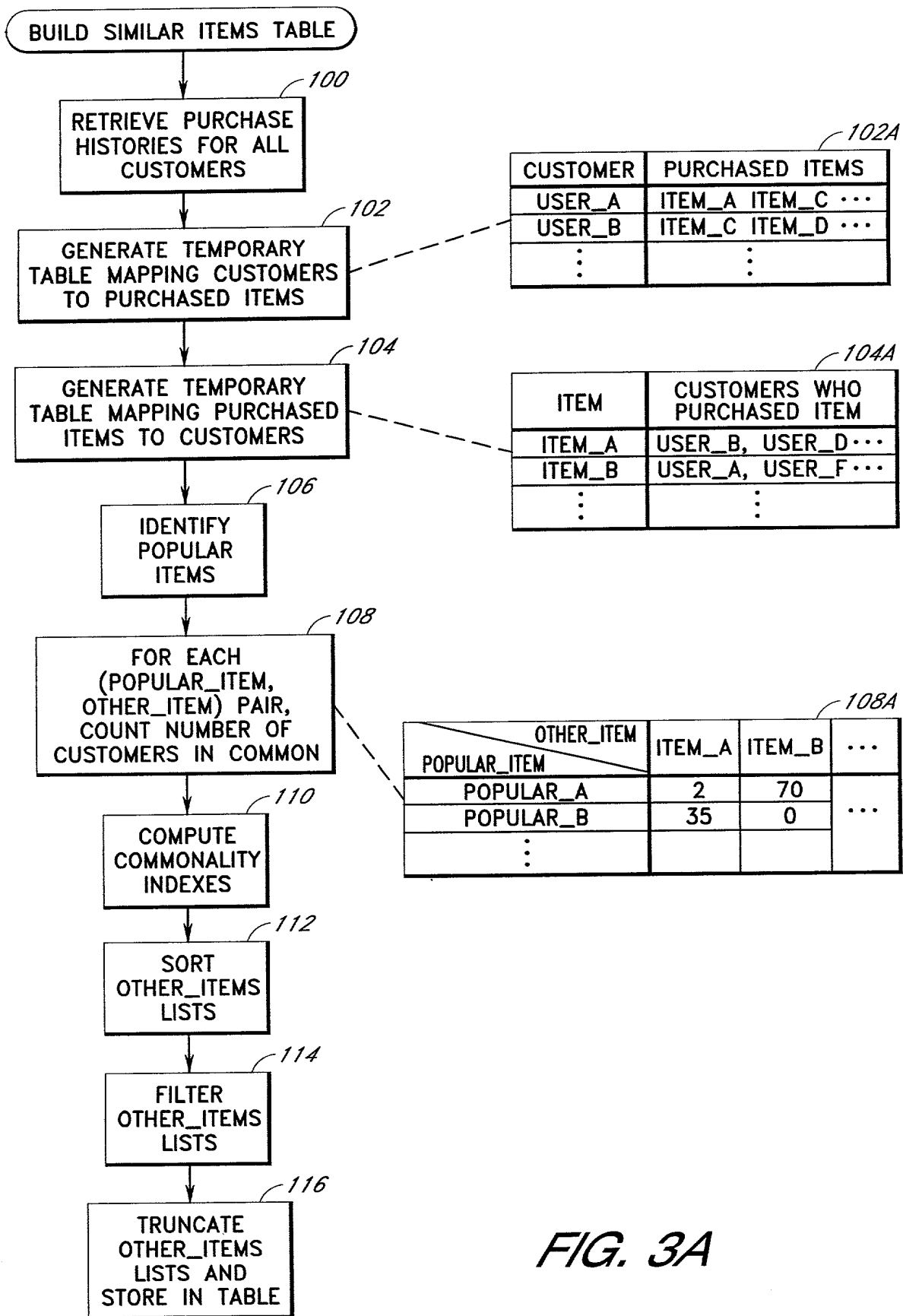


FIG. 3A

BUILD SIMILAR ITEMS TABLE

300
RETRIEVE QUERY LOG RECORDS

302
GENERATE TEMPORARY TABLE MAPPING SESSIONS TO VIEWED ITEMS

302A

SESSION	ITEMS VIEWED IN THE SESSION		
SESSION_A	ITEM_A	ITEM_C	...
SESSION_B	ITEM_C	ITEM_D	...
⋮	⋮	⋮	⋮

304
GENERATE TEMPORARY TABLE MAPPING VIEWED ITEMS TO SESSIONS

304A

ITEM	SESSIONS IN WHICH ITEM VIEWED	
ITEM_A	SESSION_B,	SESSION_D ...
ITEM_B	SESSION_A,	SESSION_D ...
⋮	⋮	⋮

306
IDENTIFY POPULAR ITEMS

308
FOR EACH (POPULAR_ITEM, OTHER_ITEM) PAIR, COUNT NUMBER OF SESSIONS IN COMMON

308A

OTHER_ITEM \ POPULAR_ITEM	ITEM_A	ITEM_B	...
POPULAR_A	2	70	...
POPULAR_B	35	0	
⋮			

310
COMPUTE COMMONALITY INDEXES

312
SORT OTHER_ITEMS LIST

314
FILTER OTHER_ITEMS LIST

316
TRUNCATE OTHER_ITEMS LISTS AND STORE IN TABLE

FIG. 3B

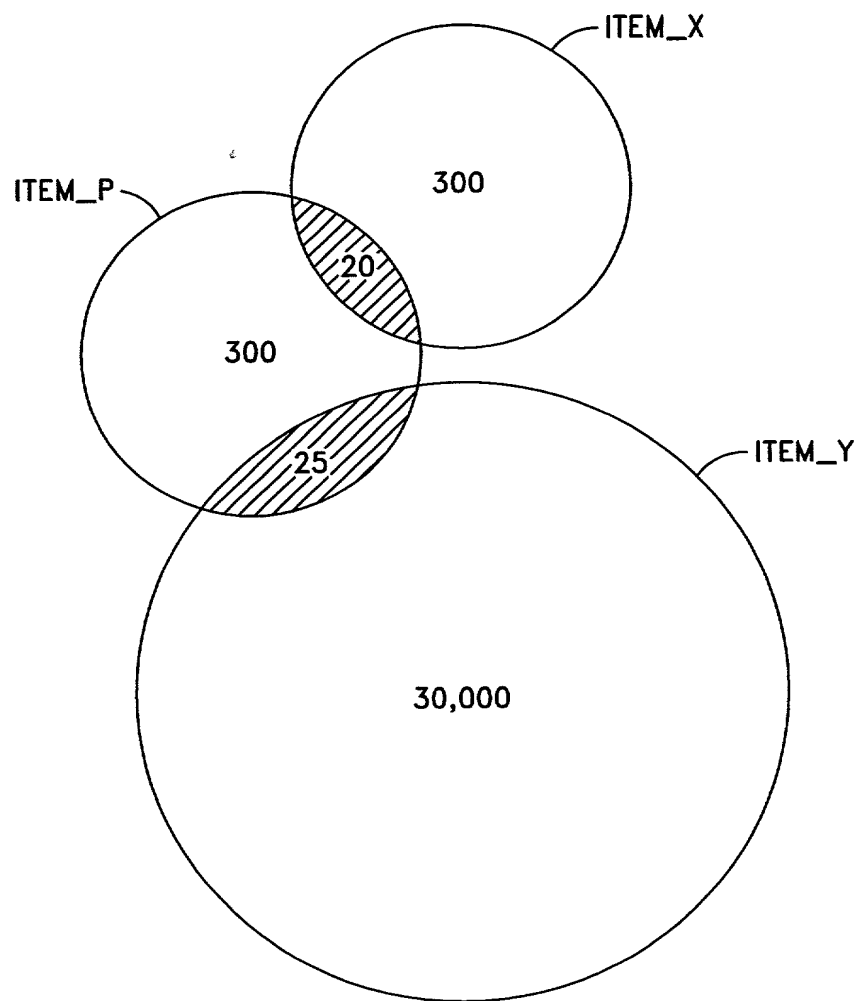


FIG. 4

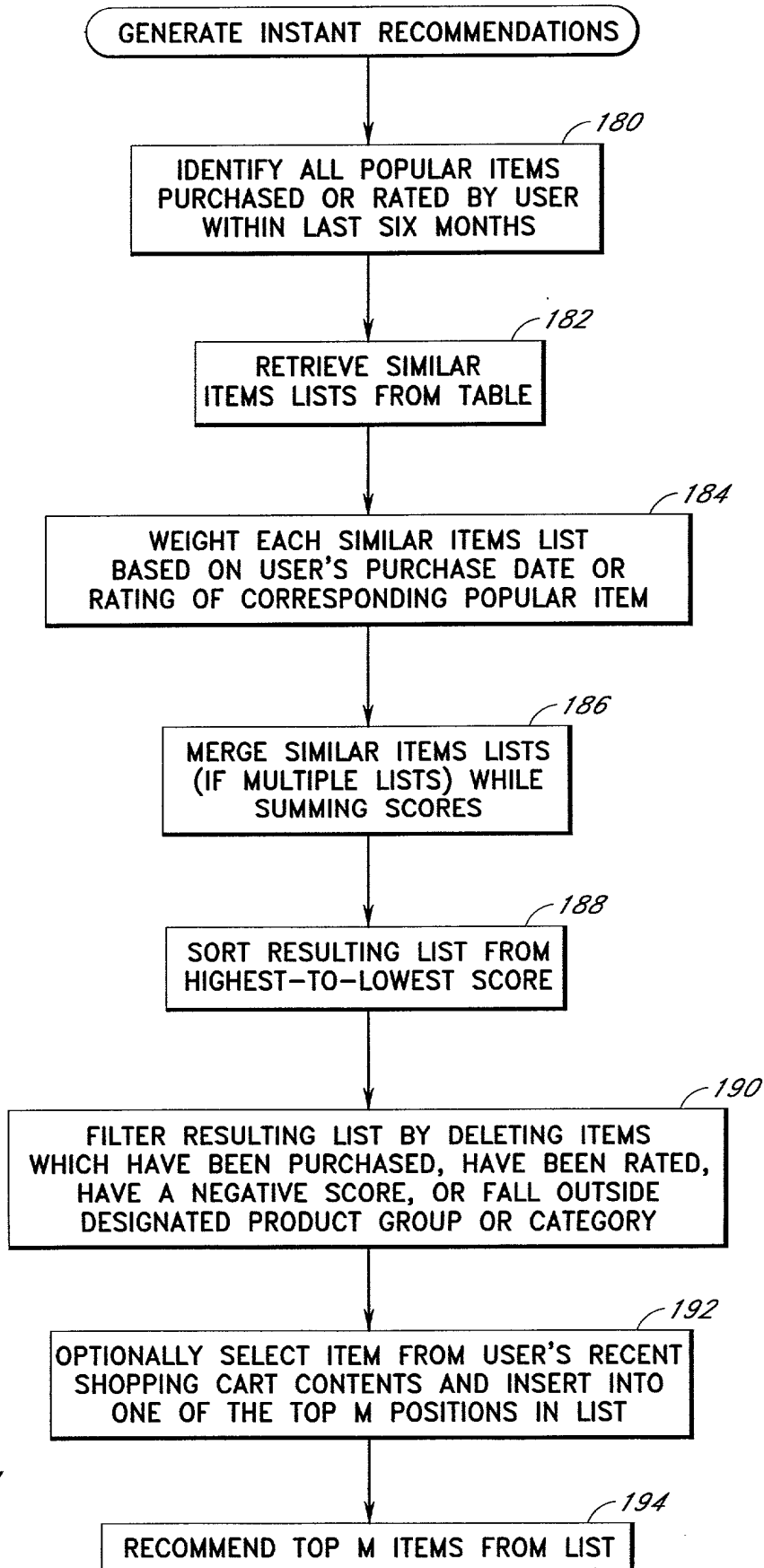


FIG. 5

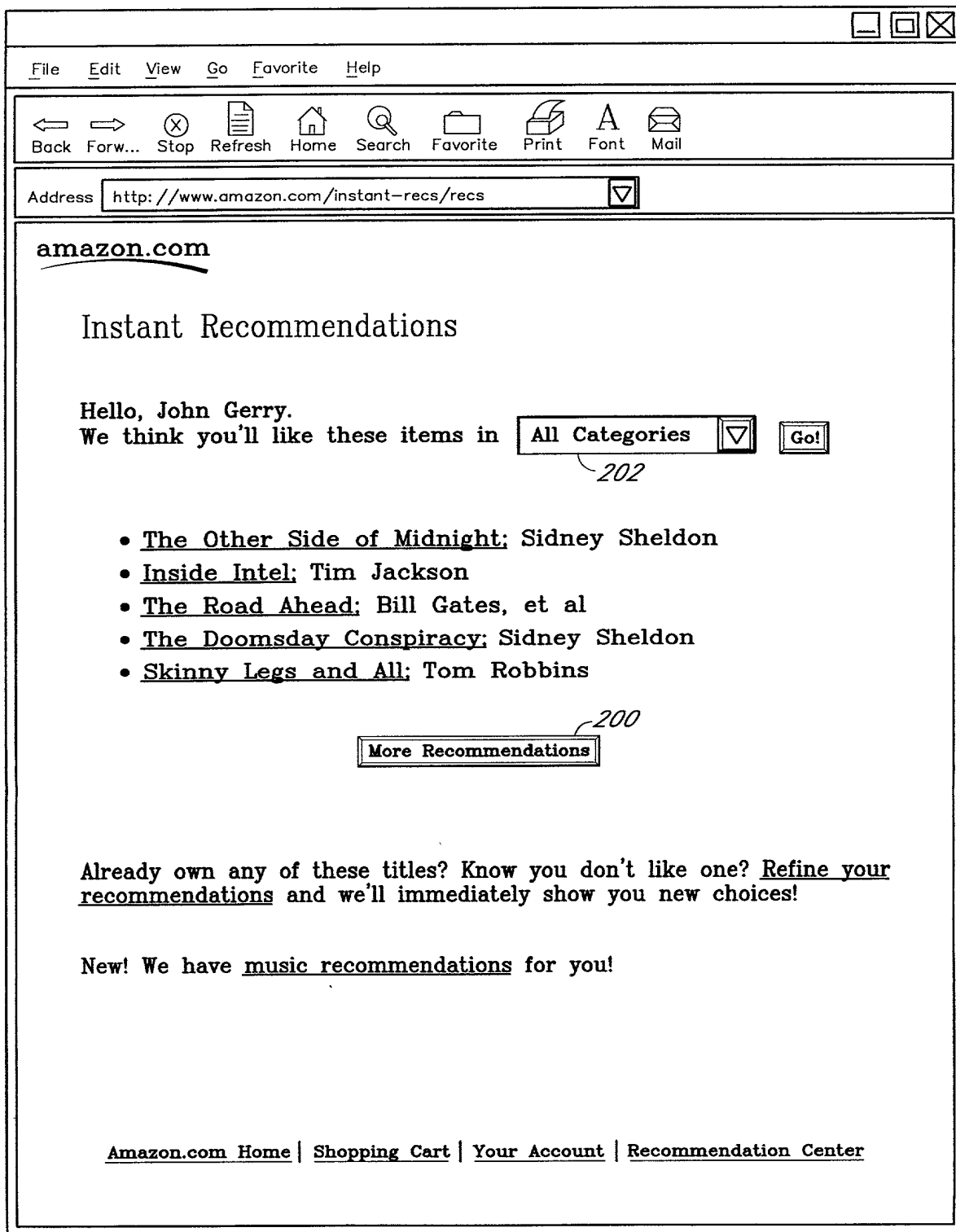


FIG. 6

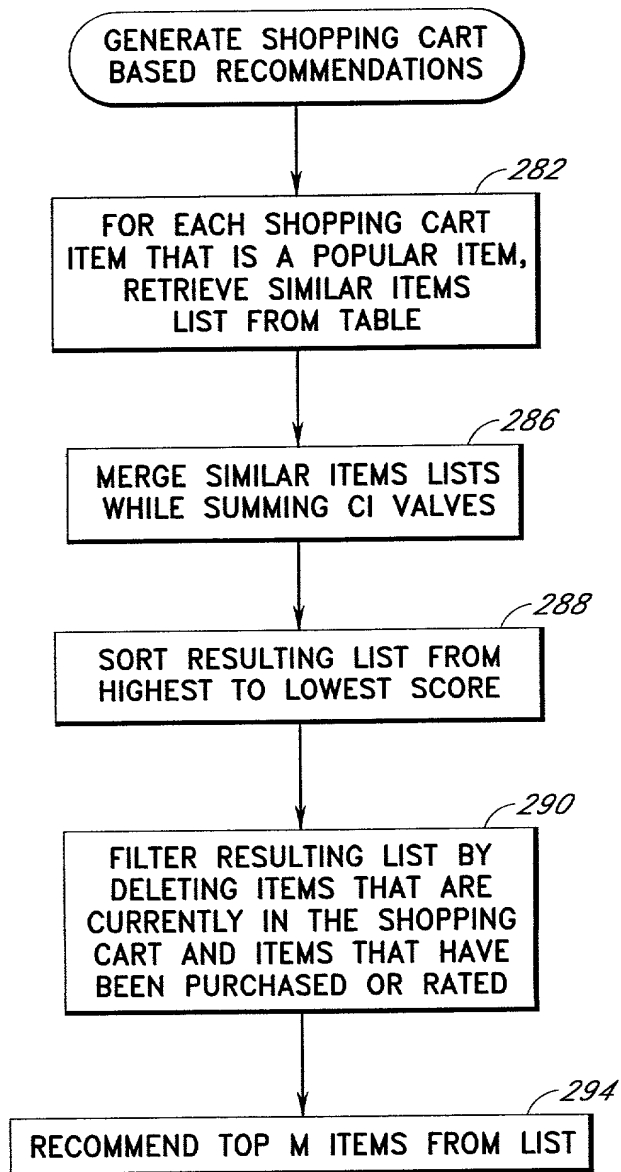


FIG. 7

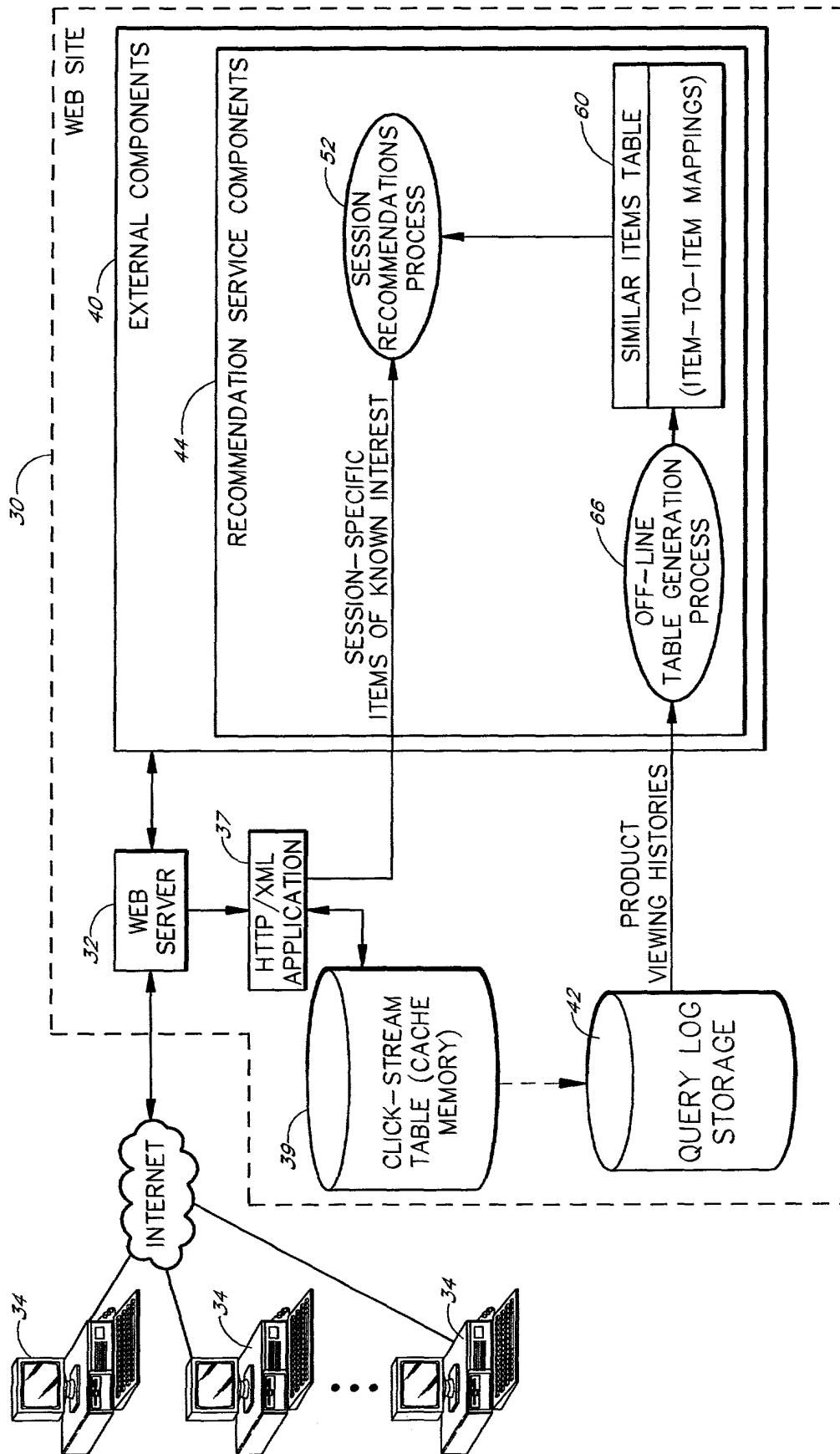


FIG. 8

CLICK STREAM TABLE

SESSION ID	DETAIL PAGE LIST	BROWSE NODE LIST	SEARCH QUERY LIST
1234567	dp1, dp2, dp3, dp4	bn1, bn2, bn3, bn4	"a space odyssey","isaac asimov"

FIG. 9

PAGE-ITEM TABLE

PAGE IDENTIFICATION	ITEM IDENTIFICATION
DP1	"2001: A Space Odyssey"
BN1	"Sony DVP-S360 DVD Player", "Toshiba SD-1600 DVD player," ...

FIG. 10

amazon.com

 VIEW CART | WISH LIST | [YOUR ACCOUNT](#) | [HELP](#)

WELCOME

DIRECTORY

TODAY'S FEATURED STORES

BOOKS

TOYS &
GAMES

SOFTWARE

ELECTRONICS

TOOLS &
HARDWARE

► INTERNATIONAL

► TOP SELLERS

► FRIENDS & FAVORITES

► FREE E-CARDS

► TAX CENTER

SEARCH: [All Products](#) ▼

[GO!](#)

BROWSE: [BOOKS](#) ▼

[GO!](#)

THE PAGE YOU MADE

BY YOU, FOR YOU, IN REAL TIME!

Welcome, Bob Smith, to the Page You Made! (If you're not Bob Smith, [click here.](#))

The Page You Made is based on your recent clicks on our site. Our goal is to help you find what you want and discover related items. You can change this page by visiting more product pages or removing items from the list of recently viewed items. [Learn more](#)

My Recently Viewed Items

- ☒ ① [Moo, Baa, LA LA LA](#) (Boynton, Sandra. *Boynton Board Books.*) by Sandra Boynton (Illustrator), Kate Klimo (Editor)

•
•
•

- ☐ ① [The Going to Bed Book](#) (Boynton, Sandra. *Boynton Board Books.*) by Sandra Boynton, Kate Kilmo (editor)

[Update page](#)

[De-Select all items](#)

Top Sellers

Children's Books > Baby-3 > [Board Books](#)

1. [Dr. Seuss's ABC : An Amazing Book \(Bright and Early Board Book\)](#) by Seuss
Our Price: \$3.99 You Save: \$1.00 (20%)

2. [There's a Wocket in My Pocket! : Dr. Seuss's Book of Ridiculous Rhymes](#) by Seuss, et al
Our Price: \$3.99 You Save: \$1.00 (20%)

3. [Goodnight Moon](#) by Margret Wise Brown, Clement Hurd (Illustrator)
Our Price: \$6.36 You Save: \$1.59 (20%)

Recommendations

- ① [Brown Bear, Brown Bear, What Do You See?](#)
From [Horn Book](#)

- ① [Good Night Gorilla](#) by Sandra Boynton

•
•
•

- ① [Baby Bach Video](#) From Baby Einstein Company

FIG. 11

amazon.com

 VIEW CART | WISH LIST | **YOUR ACCOUNT** | HELP

WELCOME

DIRECTORY

TODAY'S FEATURED STORES

BOOKS

TOYS &
GAMES

SOFTWARE

ELECTRONICS

TOOLS &
HARDWARE

► INTERNATIONAL

► TOP SELLERS

► FRIENDS & FAVORITES

► FREE E-CARDS


► TAX CENTER

SEARCH: All Products ▼

GO

BOOKS ▼

GO

 add to shopping cart

Intel Pocket Concert 128MB Digital Audio Player

Other products by [Intel](#)



List Price: ~~\$299.99~~
Our Price: **\$275.94**
You Save: **\$24.05 (8%)**

Customers who viewed this item also viewed these items:

- [Intel Pocket Concert 128MB Digital Audio Player & Accessory Kit by Intel](#) \$321
- [Iomega HipZip Digital Audio Player by Iomega](#) \$266
- [i2Go eGo 340MB MP3 Player \(Blue\) by i2go.com](#) \$499
- [CreativeLabs N640001 NOMAD II Digital Audio Player by Creative Labs](#) \$199

[view more](#)

500

FIG. 12

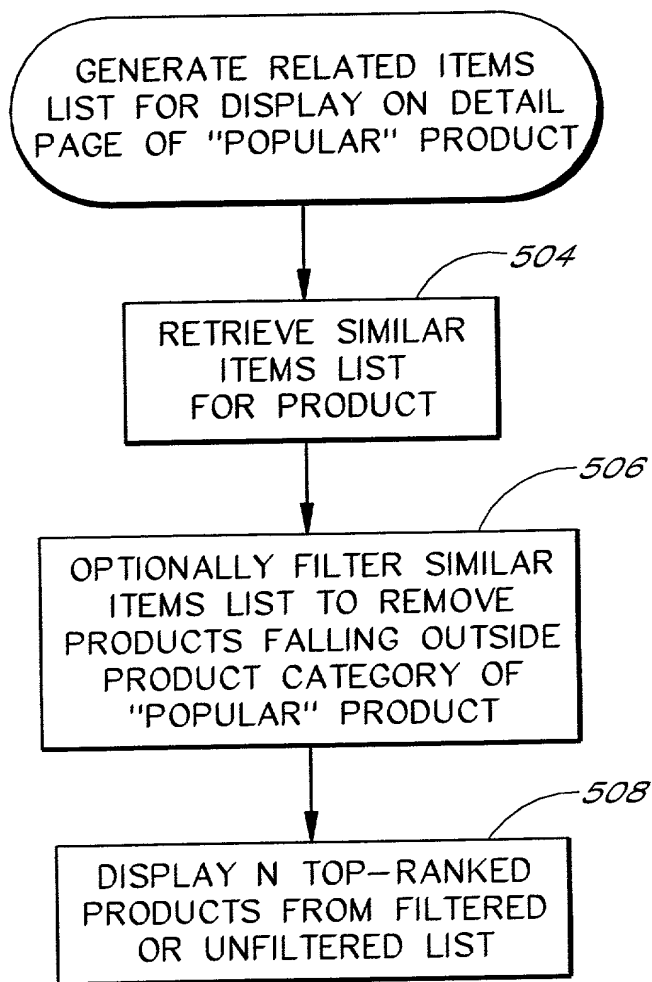


FIG. 13

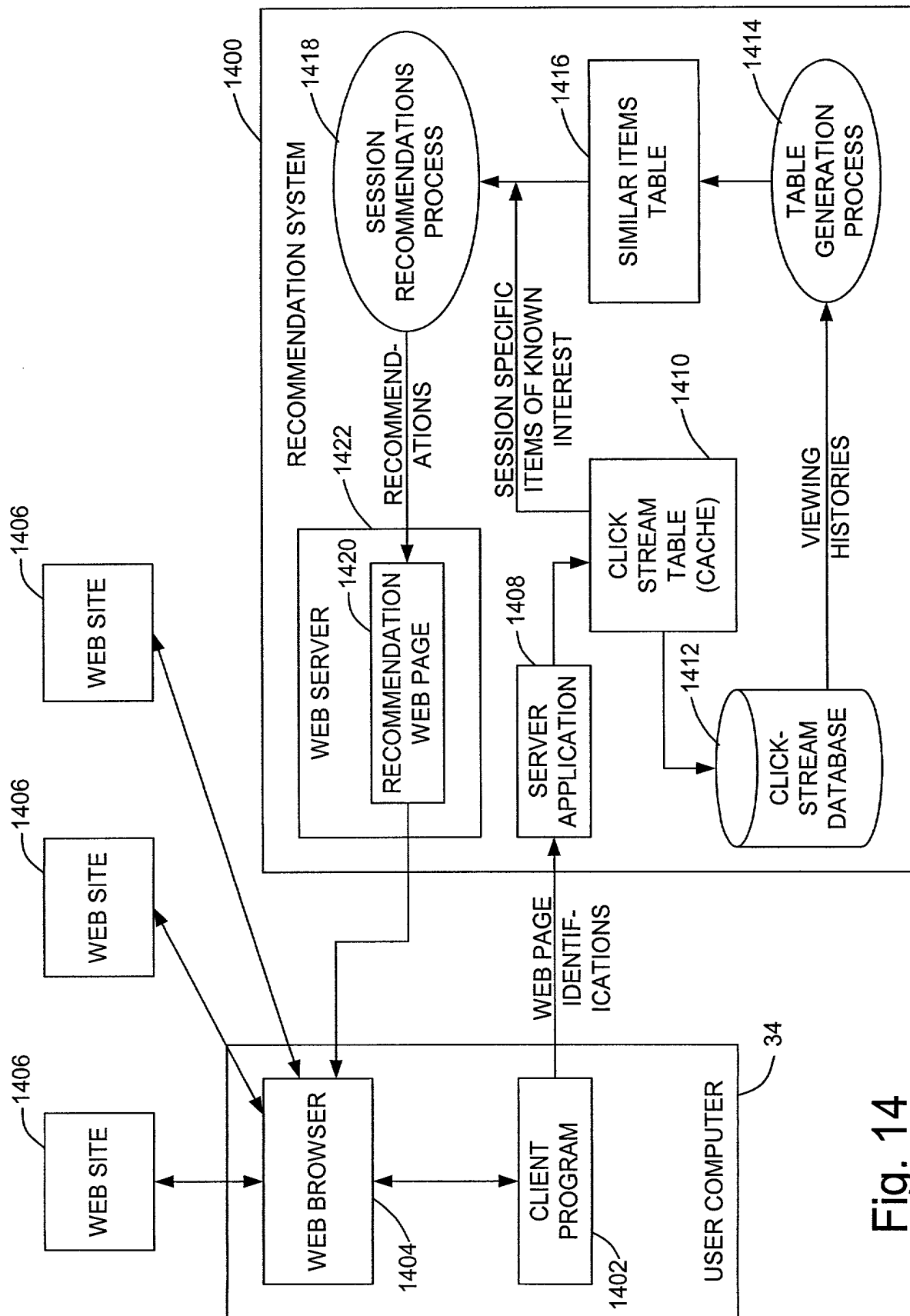


Fig. 14

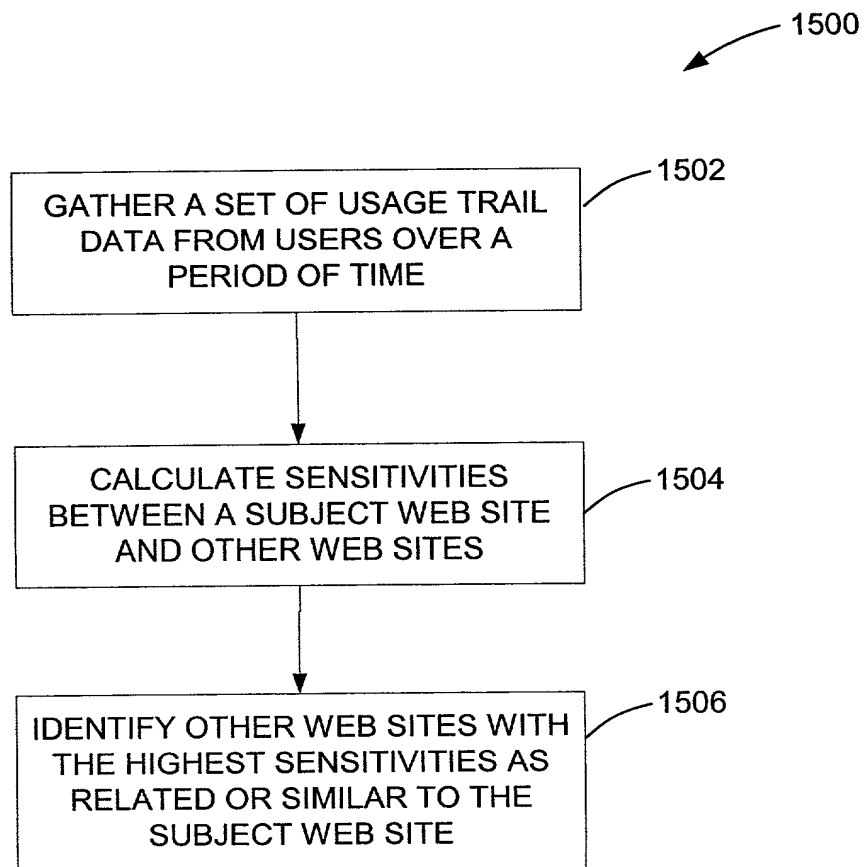


Fig. 15